



# भारत का राजस्त्री

## The Gazette of India

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No. 46] NEW DELHI, SATURDAY, NOVEMBER 21, 1981 (KARTIKA 30, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

##### THE PATENT OFFICE

##### PATENTS AND DESIGNS

Calcutta, the 21st November 1981

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed  
under Section 135 of the Act.

15th October, 1981

1129/Cal/81. Delta Plastics Limited. Improvements in  
and relating to ear tags.

1130/Cal/81. Isover Saint-Gobain. Packet or batch or the  
like of compressible rolls and a process for the  
preparation of such packets. [Addition to No.  
931/Cal/80]

1131/Cal/81. Westinghouse Electric Corporation. Power  
capacitor structure and method of assembly.

1132/Cal/81. J. M. Parra. A system for the generation  
of electrical energy by utilizing and controlling  
the potential energy of seawater.

1133/Cal/81. J. M. Parra. A system for the generation of  
electrical energy on a floating base by utilizing  
and controlling the potential energy of seawater.

1134/Cal/81. Cummins Engine Company, Inc. Dual  
coolant engine cooling system.

1135/Cal/81. Monsanto Company. Synergistic herbicide  
emulsion.

1136/Cal/81. Union Carbide Corporation. Novel bicycloxy-  
phenyl ureas.

1137/Cal/81. Lucas Industries Limited. Improvements in  
bonded members. (October 15, 1980).

16th October, 1981

1138/Cal/81. Rietbergwerke GMBH & Co. KG. Compost  
silos and set of components for assembly into a  
compost silo. (December 22, 1980).

1139/Cal/81. The Pittsburg & Midway Coal Mining Company. Control of pyrite addition in coal liquefaction  
process.

1140/Cal/81. Chevron Research Company. Age and heat  
stabilized photovoltaic cells.

1141/Cal/81. Conoco Inc. Method and apparatus for  
underwater detection of hydrocarbons.

17th October 1981

1142/Cal/81. Pio Russo and Renato Russo. A kit for  
cleaning the teeth with a toothbrush storable into  
the toothpaste holder.

1143/Cal/81. Claelius AB. Releasing device in core barrel  
grapplers.

1144/Cal/81. F. T. Smith & Co A/S. Drive for rotating  
drum.

1145/Cal/81. Lucas Industries Limited. Fuel injection nozzles (November 19, 1980).

1146/Cal/81. Schlumberger Limited. Apparatus for electromagnetic logging in boreholes.

1147/Cal/81. Atlas Powder Company. Sensitive low water emulsion explosive compositions.

1148/Cal/81. Atlas Powder Company. Low water emulsion explosive compositions optionally containing inert salts.

1149/Cal/81. Metax Box Limited. Method of and apparatus for electrocoating.

1150/Cal/81. Metal Box Limited. Electrocoating apparatus.

1151/Cal/81. Dr. A. K. Chandra and Dr. S. Medda. Production of bacterial thermostable amylase by submerged culture method.

19th October, 1981

1152/Cal/81. CPC International Inc. Extraction of oil from vegetable materials.

1153/Cal/81. CPC International Inc. Process for the continuous crystallization of alpha mono hydrate dextrose utilizing high agitation.

1154/Cal/81. CPC International Inc. Extraction of oil from high oil bearing seed materials.

1155/Cal/81. Sperry Corporation. Power transmission.

20th October, 1981

1156/Cal/81. Amsted Industries Incorporated. Friction shoe wear indicator.

1157/Cal/81. Population Research Incorporated. Radio-paque cyanoacrylates.

1158/Cal/81. James Mackie & Sons Ltd. Improvements in and relating to shuttleless looms.

1159/Cal/81. A. R. Dasgupta. Improvement in a process for the production of special quality low ash Metallurgical coke. (Addition to No. 1140/Cal/78).

1160/Cal/81. Fiziko-Tekhnicheskii Inst. Akademii Nauk Belorusskoi SSR. Apparatus for the line.

1161/Cal/81. G. D. Societa Per Azioni. A device for applying filters to cigarettes.

1162/Cal/81. Gould Inc. Sealed, maintenance-free, lead-acid batteries for float applications.

1163/Cal/81. R. N. Das. Variable speed drive with clutching and braking action through a combined pinioning system.

21st October, 1981

1164/Cal/81. Davy McKee Corporation. Process for making phosphoric acid.

1165/Cal/81. Union Carbide Corporation. Method for extruding linear polyolefin materials having high viscosities.

1166/Cal/81. C. Conradty Nurnberg GmbH & Co. KG. Electrode for arc furnaces.

1167/Cal/81. C. Conradty Nurnberg GmbH & Co. KG. Electrode for arc furnaces.

1168/Cal/81. C. Conradty Nurnberg GmbH & Co. KG. Electrode for arc furnaces.

1169/Cal/81. Georg Fischer Aktiengesellschaft. Process for compacting granular materials.

1170/Cal/81. Hitachi Ltd. Three-phase and three-leg core of core-type transformer.

1171/Cal/81. Westinghouse Electric Corporation. Low viscosity polyester coating compositions.

1172/Cal/81. Italtel Societa Italiana Telecomunicazioni s.p.a. Circuit arrangement suitable to carry out the switching of impulsive signals between two functional units which present separate earths of reference.

1173/Cal/81. Italtel Societa Italiana Telecomunicazioni s.p.a. System arrangement for party line subscriber sets in telephone switching exchanges of the electronic type.

APPLICATION FOR PATENT FILED AT PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-5

1st September, 1981

560/Del/81. Nottaiyan Kandasamy. "Single Bullock Cart."

561/Del/81. Carrier Corporation. "Centrifugal Compressor."

2nd September, 1981

562/Del/81. Saurabh Natverlal Kinariwala. "A Reciprocating Pump."

563/Del/81. Saurabh Natverlal Kinariwala. "A Wind Energy Converter."

564/Del/81. Saurabh Natverlal Kinariwala. "A Wind Energy Converter."

3rd September, 1981

565/Del/81. Ciba-Geigy AG. "Process for decomposing 2, 4-dihydroxy-6-amino-s-triazine derivatives."

566/Del/81. Rajneesh Kumar Singh. "Controlling the Cane Feed electrically."

4th September, 1981

567/Del/81. Krishan Gopal Chopra. "Improved Tooth Brush."

568/Del/81. Jitender Gupta. "Pile Extending Device."

569/Del/81. Carrier Corporation. "Centrifugal Compressor."

5th September, 1981

570/Del/81. Prem Chandra Swarnkar. "New Burette."

7th September, 1981

571/Del/81. UOP INC. "Regeneration of Electrical Conductivity of Metallic Surfaces."

572/Del/81. Pfizer INC. "2-Guanidino-4-Heteroarylthiophenes."

573/Del/81. Council of Scientific & Industrial Research. "Process for the manufacture of a foil type resistance strain gauge device."

574/Del/81. Council of Scientific & Industrial Research. "A Process for the Preparation of Urea Stibamine."

575/Del/81. Ambrish Katara. "Katara's Method for the determination of acceleration due to gravity 'g'."

8th September, 1981

576/Del/81. Purolator India Limited. "A Fuel Filter Insert" (Addition to 555/Del/81).

577/Del/81. Nitto Kagaku Kogyo Kabushiki Kaisha. "Stabilized Aqueous Solutions of Acrylamide Polymers."

578/Del/81. American Coal Enterprises, INC. "Coal-Fired, Steam Driven Locomotive."

9th September, 1981

579/Del/81. GEC-Elliott Automation Limited. "Arc-Chutes" (September 17, 1980).

580/Del/81. White Consolidated Industries, INC. "Rotary Wall Deslager."

10th September, 1981

581/Del/81. Merrick Scale Manufacturing Company, "Coal Pipe Monitor."

582/Del/81. Automotive Products Limited, "Friction Clutch Cover Assemblies."

583/Del/81. Sala International AB, "Apparatus for Pumping Foaming Liquids."

11th September, 1981

584/Del/81. Cincinnati Metal Works, "A Kerosene Stove."

585/Del/81. UBE Industries Ltd., "Process for Producing Hydroxylamine Sulfate."

586/Del/81. Saraswati Prasad Mishra, "Vapour Contact Heater for Heating Sugarcane Juices."

587/Del/81. M. S. Vashishta, "Vashishta's Clinical Camel Shoe."

14th September, 1981

588/Del/81. Westinghouse Brake and Signal Company Limited, "Communication Channel" (October 7, 1980 and March 21, 1981).

589/Del/81. BJCC Limited, "Overhead Electrical Transmission Systems." (September 15, 1980).

590/Del/81. Precision Mechanical Developments Limited, "Motion Transmitting device." (September 18, 1980, January 2, 1981 and April 23, 1981).

15th September, 1981

591/Del/81. G. D. Societa Per Azioni, "Device for Transferring Bar Shaped Articles."

592/Del/81. Union Carbide Corporation, "Isobaric Process for Separating Normal Paraffins from Hydrocarbons."

593/Del/81. Stefan Ionel Baroi, "System for Assembly and Fixing Panels."

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, TODI ESTATES, HIRD FLOOR, LOWER PAREL (WEST), BOMBAY-400 013**

29th September, 1981

277/Bom/81. Mohamad Sokurbhai Hemon, Pilfer proof cap for Containers.

278/Bom/81. Shriram Sadashiv Gomashe, Auto Safety and Water Tapping device for Water reservoir.

279/Bom/81. Desai Haribhai Jeshanghbhai, Use of Permanent Magnet in foot-Valve.

30th September, 1981

280/Bom/81. The Bombay Textile Research Association, A New Method for "Reduction-Clearing" of Polyester Fabrics Dyed/Printed with Disperse Dyes.

281/Bom/81. Ahmedabad Textile Industries Research Association, An apparatus for "Shedding" of yarn in a travelling wave shedding loom.

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE, BRANCH, 61, WALLAJAH ROAD.**

MADRAS-600 002

12th October, 1981

185/Mas/81. M. P. Mohammed, Cassette Slot Machine.

13th October, 1981

186/Mas/81. C. I. S. Rao, Improvement in or relating to crusher for milling sugarcane for extraction of juice.

14th October, 1981

187/Mas/81. Monica Chemicals, Process for the production of a Novel Catalyst composition useful for making methacrylic acid.

188/Mas/81. M. Madan, Improvements in or relating to application of insecticides.

15th October, 1981

189/Mas/81. Vanton Pumps (India) Pvt. Ltd. A Pump.

190/Mas/81. Lucas Industries Limited, Vehicle Drum Brakes. (November 1, 1980).

191/Mas/81. The Singareni Collieries Co. Ltd. Axial Flow, Double Reversible, Auxiliary Mine Ventilation High Pressure Contra Fan.

**COMPLETE SPECIFICATION ACCEPTED**

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS : 176 I & M. 149366.  
177 D & F.  
Int. Cl.-F22g 3/00.

**MUFFLER APPARATUS FOR ATTENUATING SOUND OF A JET OF COMPRESSIBLE FLUID.**

*Applicants :* DRESSER INDUSTRIES, INC., OF THE DRESSER BUILDING, P.O. BOX 718, DALLAS, TEXAS 75221, UNITED STATES OF AMERICA.

*Inventors :* GERALD ADRIAN MILLER AND JOHN MITCHELL ZABSKY.

Application No. 1309 Cal/77 filed August 22, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims.

Muffler apparatus for attenuating sound of a jet of compressible fluid, comprising : a housing having a jet inlet and an outlet; means defining a flow path internally of said housing between said inlet and said outlet including a plurality of diffusion stages series arranged therein for successively reducing the velocity of a jet received at said inlet, said flow path defining means being operatively effective to maintain a jet flow in a condition of substantially laminar flow with the absence of large scale turbulence substantially throughout at least the flow path through said diffusion stages; and an acoustical absorbing composition of high frequency noise

absorption properties exposed in said flow path in at least one of said diffusion stages.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS : 4-A 2, 4

Int. Cl.-B64d 45/06.

A METHOD OF PROTECTING A SURFACE REGION OF AN AIRCRAFT AND AN AIRCRAFT SURFACE REGION SO PROTECTED.

Applicants : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2SF, ENGLAND.

Inventor : BRIAN DENNIS LAZELLE.

Application No. 1704/Cal/77 filed December 8, 1977.

Convention date December 17, 1976/(52941/76) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims.

A method of protecting a surface region of an aircraft including starting with a sheet or sheets of super-plastic alloy engaging the sheet or sheets of super-plastic alloy with the surface region to be protected, shaping the sheet or sheets of superplastic alloy at a temperature such that the superplastic properties of the alloy are exhibited to follow the surface contours of the surface region to be protected, and securing the protective layer of super-plastic alloy so formed to said surface region.

Comp. Specn. 16 Pages.

Drg. 1 Sheet.

CLASS : 68A.

149368.

Int. Cl.-H02j 7/14.

BATTERY CHARGING SYSTEM FOR ROAD VEHICLES.

Applicants : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2SF, ENGLAND.

Inventor : DAVID WILFREY.

Application No. 1726/Cal/77 filed December 14, 1977.

Convention date December 18, 1976/(53121/76) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims.

A battery charging system for a road vehicle comprising in combination a pair of alternators each having a rectifier and an associated field winding, a pair of voltage regulators controlling the field current of each alternator in accordance with the voltage at the output of the associated rectifier, each voltage regulator including a voltage sensing circuit connected across the rectifier output and an oscillatory switching circuit arranged to oscillate between conductive and non-conductive states when the voltage across the voltage sensing circuit exceeds a predetermined value, the field winding of the associated alternator being connected to be controlled by said switching circuit, and cross coupling means connecting the switching circuit of each voltage regulator to the voltage sensing circuit of the other regulator, so that oscillatory switching of one switching circuit causes oscillatory switching of the other switching circuit.

Comp. Specn. 10 Pages.

Drg. 2 Sheets.

CLASS : 130-I.

149369.

Int. Cl.-C22b 7/00, 43 00.

A PROCESS FOR RECOVERY OF MERCURY FROM SOLID WASTE.

Applicants : AHMEDABAD MANUFACTURING AND CALICO PRINTING COMPANY LIMITED, POST BOX 12, AHMEDABAD, GUJARAT, INDIA.

Inventors : NARENDRA NATH CHATTERJEE AND MARTHANDAN SOMADATHAN.

Application No. 127/Bom/78 filed May 1, 1978.

Complete specification after provisional left July 9, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

8 Claims.

A hydrometallurgical process for extraction and recovery of mercury from solid wastes containing mercury in the form of its compounds which comprises subjecting the said solid waste in the form of water slurry to treatment with a chemical agent consisting of sodium sulphide fortified with sodium hydroxide to convert the mercury values in the waste to a dissolved form (Hg ++ form), followed by filtering the slurry and treating the solution or liquid thus obtained having said dissolved mercury with aluminium metal thereby to precipitate the said mercury, whereafter the precipitated mercury is extracted from the solution in the usual manner.

Provisional specification 5 Pages.  
Complete specification 9 Pages.

Drawing—Nil.  
Drawing—Nil.

CLASS : 48A<sub>2</sub>.

149370.

Int. Cl.-H01b 7/18.

METHOD AND APPARATUS FOR CONTINUOUSLY MANUFACTURING ELECTRIC CABLES.

Applicants : KABEL-UND METALLWERKE GUTEHOF-FUNGSCHUTTE AKTIENGESELLSCHAFT, OF POSTFACH 260, KABELKAMP 20, 3000 HANOVER 1, GERMANY.

Inventors : FRIEDRICH SCHATZ AND WOLFRAM.

Application No. 501/Cal/78 filed May 10, 1978.

Convention date May 3, 1978 (17489/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims.

A method for continuous manufacturing of electric cables with a metal sheath, in which a thin metal strip is degreased as required and formed around the cable core into a tube of a greater diameter than the cable core, the tube being guided in the last step of the forming station by a forming ring or a pair of concave rollers with vertical axes by which the edges of the metal strip are held abutting each other, and in which the edges of the metal strip are butt-welded by an electric arc welding apparatus under a protective gas atmosphere just behind the forming ring or the pair of rollers, and in which the welded tube is drawn by the clamps of a split-clamp caterpillar and conveyed to a corrugating device corrugating the welded tube annularly or helically, the corrugations being formed deep enough to grip the cable core.

Comp. Specn. 10 Pages.

Drgs. 2 Sheets.

CLASS : 117D.

149371.

Int. Cl.-E05b 37/00.

"A COMBINATION LOCK FOR USE IN A DOOR AND A DOOR FITTED WITH THE SAME".

Applicant : HABEEB AHMED SHAH, 9-B, JAWAHAR-ABAD, ALMEIDA ROAD, BANDRA, BOMBAY-400 050, MAHARASHTRA, INDIA, INDIAN NATIONAL.

Inventor : MRS. ARUNA KUMAR.

Application No. 356/Bom/78 filed December 13, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

5 Claims.

A combination lock for use in a door comprising a bracket having a pair of slots and being adapted to be mounted on the door; a counterbody having a groove on its outer surface

and being mounted on the bracket; a shaft having a plurality of slots at tandem along its length and being engaged and slideable in the said slot of the counterbody and protruding the said slot of the counterbody; a plurality of counters each said counter having an axial hole wherethrough it is rotatably mounted over the counterbody and the shaft and being accessible for operation through one of the said slots in the bracket, each said counter further having a plurality of divisions on its outer surface and a recess in its axial hole and being capable of being engaged in one of the said slots along the shaft for holding the shaft firmly, the recess in the axial hole of each said counter being directly below one of the divisions on its outer surface and the profile of the recess of each said counter and the profile of the said slot of the counterbody being such that when the recess of each said counter is directly opposite to the said slot of the counterbody the shaft can be slid therethrough; and a spline mounted at one end of the shaft and projecting through and movable in the other slot of the bracket.

Complete specification 9 Pages. Drawings 5 Sheet.

CLASS : 48-C. 149372.  
Int. Cl.-H01b 3/00.

**A PROCESS OF MANUFACTURING AN ELECTRICAL INSULATING MATERIAL.**

*Applicant & Inventor :* MAHAVIRPRASAD RAMVAL-LABH RUIA, 6, MANUMAN CROSS ROAD, NO. 1, VILE PARLE (EAST), BOMBAY-400 057, MAHARASHTRA, INDIA.

Application No. 369/Bom/78 filed December 23, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

5 Claims.

A process for the manufacture of an electrical insulating material out of mica or waste mica which comprises grinding the mica to grit sizes from 40 to 100 mesh, adding water, litharge (red Oxide), borax and boric acid with flux, such as polyvinyl acetate, pressing the said mixture into pellets, heating the said pellets to temperature ranging from 500° C. to 650° C. to fuse into a semi-liquid state, transferring the said semi-liquid material to moulding dies of desired shapes and sizes and moulding the said semi-liquid material by hot pressing at temperature ranging from 400° C. to 500° C. at pressure around 25 atmosphere to obtain the moulded product in desired shapes and sizes, and cooling the product obtained in an annealing furnace to room temperature.

Complete specification 6 Pages. drawing sheet—Nil.

CLASS : 55-D-2, 60-X-1. 149373.  
Int. Cl.-A01m 21/00; A01n 9/02.

**A PROCESS FOR PREPARING A SYNERGISTIC HERBICIDAL COMPOSITION.**

*Applicants :* ESZAKMAGYARORSZAGI VEGYIMUVEK, OF SAJABABONY, HUNGARY.

*Inventors :* ZSOLT DOMBAY, FERENC HAVELKA, ANNA KOVASZNAY AND ERZSEBET GREGA NEE TOTH.

Application No. 54/Cal/79 filed January 19, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims.

A process for preparing a composition for combatting weeds in cereals, which comprises admixing, in a ratio of 1 : 2 to 1 : 5, the compounds 2-tert.-butylamino-4-ethylamino-6-methylthio-1, 3, 5-triazine and S-ethyl-N, N-hexamethylene-thiocarbamate in an amount of 10 to 80%, along with a conventional carrier, diluent and/or dispersing agent.

Comp. Specn. 19 Pages. Drg. 1 Sheet.

CLASS : 128-A.  
Int. Cl.-A61f 13/00.

149374.

**LUMBO-SACRAL SUPPORT.**

*Applicant & Inventor :* MAYOOR, CHINUBHAI GANDHI SHREYAS, 2ND FLOOR, NARIMAN POINT, BOMBAY-400 020, MAHARASHTRA, INDIA.

Application No. 17/Bom/79 filed January 22, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

2 Claims.

A lumbo-Sacral support comprising a belt and an envelope adapted to house an adjustable frame and further adapted to be detachably fastened to the inside of the belt, the belt being built-up of a middle section with a plurality of sections on its right and a plurality of sections on its left, all sections being approximately of the same width, a section on the right and left of the middle section being provided with a plurality of one component of a pressure-sensitive fastener-pair, the frame preferably of a soft metal, being adjustable by bending and consisting of two horizontally disposed identically curved wires held apart by four transverse bars, the frame providing armour to the envelope by being inserted into the envelope through a window in the envelope, each of the vertical edges of the envelope being provided with a plurality of the other component of the said fastener-pair such that the armoured envelope is detachably fastened to the belt by pressing the two components of the fastener pair and the ends of the belt being provided with means to fix or tie the support securely on the lumbo-sacral region.

Complete specification 5 Pages.

Drawing 1 Sheet.

CLASS : 271 & 33D.  
Int. Cl.-B22c 5/18.

149375.

**A DEVICE FOR COATING FOUNDRY SANDS WITH RESINS.**

*Applicant :* INDIAN INSTITUTE OF TECHNOLOGY, I.I.T., P.O., MADRAS-600 036, TAMIL NADU.

*Inventors :* (1) DR. ERODE GANAPATHIYER RAMA-CHANDRAN (2) DR. HATHIBELAGAL MOHAMMED ROSHAN.

Application No. 79/Mas/79 filed May 9, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims.

A device for coating foundry sands with resins comprising a mixer for receiving foundry sands and resin solution thereinto, the mixer having rotating paddles located in between stationary peripheral members for ensuring thorough mixing and coating of the particles of the sands with the resin; an air blower coupled to the inlet of heating means, for heating the air output from the blower to the desired temperature, the outlet of the heating means being coupled to the mixer through a baffle for maintaining the rate of flow of heated air into the mixer at the desired value and for thus removing the volatile components of the resin solution during mixing.

Comp. Specn. 8 Pages.

Drawing 1 Sheet.

CLASS : 33D & E.  
Int. Cl.-B22c 5/00 & G01d 21/00.

149376.

**A DEVICE FOR DETERMINING THE WORKABILITY/ MOULDABILITY INDEX OF FOUNDRY SANDS.**

*Applicant :* INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., Madras-600 036, TAMIL NADU.

*Inventors :* (1) Dr. ERODE GANAPATHIYER RAMA-CHANDRAN (2) DR. HATHIBELAGAL MOHAMMED ROSHAN.

Application No. 80/Mas/79 filed May 9, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch

## 2 Claims

A device for determining the workability/mouldability index of foundry sands comprising a cylindrical chamber the lateral wall of which is wholly constituted by mesh, one end of the chamber having an opening while the other end thereof is provided with coupling means a motor provided at the said other end of the chamber and coupled to the chamber by said coupling means a base member on which the motor is mounted the said member tapering downwardly away at a given angle from the said other end of the chamber provided with the coupling means such that when a specific quantity of foundry sand is introduced into the chamber through the opening therein with the chamber rotatably driven at a pre determined speed the weight of sand leaving the chamber through the mesh over a fixed interval of time expressed as a fraction of the weight of the sand introduced into the chamber, furnishes the workability mouldability index of the sand

Comp Specn 8 Pages

Dig 1 Sheet

CLASS 33H

149377

Int Cl B22d 17/22

A METHOD OF CASTING A METALLIC OBJECT AND A METALLIC OBJECT CAST BY THE SAID METHOD

Applicant INDIAN INSTITUTE OF TECHNOLOGY  
IIT PO MADRAS 600 036 TAMIL NADU

Inventor (1) DR ERODL GANAPATHIYER RAMA-CHANDRAN (2) DR HAZHIBELAGAL MOHAMMED ROSHAN, (3) MR VADIVEL JAGASIVAMANI

Application No 88/Mas/79 filed May 22 1979

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch

## 5 Claims

A method of casting a metallic object comprising the steps of cutting the details of the object on a polystyrene body by means of heated wire formed into configurations corresponding to the said details disposing the cut polystyrene body in a moulding box and ramming moulding sand around it, and pouring molten metal into the said box whereby the said body coming into contact with molten metal disintegrates to allow the metal to fill the space occupied by the said body and thus yield a casting of the said object

Comp Specn 7 Pages

Dig 1 Sheet

CLASS 176C &amp; 199

149378

Int Cl G05d 9/00

## A FLUID LEVEL LIMITER OR SENSOR

Applicant & Inventor MRS PRABHA SRIDHAR, NO 3 PINJALA SUBRAMANIA IYER STREET, T NAGAR MADRAS 600 017, TAMIL NADU

Application No 93 Mas/79 filed May 28 1979

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch

## 4 Claims

A fluid level limiter or sensor for limiting or sensing the level of fluid in a tank comprising a housing for being disposed in the said fluid the housing enclosing a plunger a part of the housing adjacent to the base of the plunger being constituted by a flexible member the stem of the plunger protruding out of the housing and connected by known connecting means to known switching or indicating means whereby any rise in level of the said fluid to a predetermined value exerts a pressure on the flexible member which is transmitted to the base of the plunger thus causing the stem of the plunger to move further out of the housing and exert a force on the said connecting means sufficient to actuate the said switching or indicating means

Comp Specn 9 Pages

Dig 1 Sheet

CLASS 195A

149379

Int Cl F16k 31/12

## A VALVE FOR USE WITH A FLUID PIPE LINE

Applicant & Inventor MRS PRABHA SRIDHAR NO 3 PINJALA SUBRAMANIA IYER STREET T NAGAR MADRAS 600 017 TAMIL NADU

Application No 95/Mas/79 filed May 31 1979

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch

## 4 Claims

A valve for use with a fluid pipe line comprising a housing having an inlet and an outlet the inlet for being connected to a fluid pipe line, a plunger disposed within the housing and enclosed by a casing to maintain it out of contact with the fluid, the stem of the plunger being attached to a valve member adjacent to the outlet, and a flexible member constituting part of the casing enveloping the base of the plunger such that whenever the housing commences to fill with fluid from the pipe-line for a given pressure exerted by the fluid on the flexible member and thence transmitted to the base of the plunger the stem is caused to move sufficiently further out of the housing and thus constrain the valve member to close the outlet

Comp Specn 10 Pages

Dig 1 Sheet

CLASS 88 F

149380

Int Cl C10I 3/00

## A SYSTEM FOR VAPOURISING FUEL OIL

Applicant RATHI INDUSTRIAL EQUIPMENT CO (P) LTD 27 SHANKAR SHET ROAD PUNE 4110 009 MAHARASHTRA INDIA

Inventor VILAS VASANTRAO WADEKAR

Application No 179/Bom 79 filed June 15 1979

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch

## 1 Claim

A system for vapourising fuel oil comprising a fuel tank in which the fuel is pre heated for onward passing through a gear pump to a venturi mixer where the said pre heated fuel is mixed with super heated steam characterised in that the atomised pre heated fuel mixed with the superheated steam and still containing fuel partly in liquid form is passed through a serpentine tubular passage in a vapouriser chamber at the bottom of which chamber there are provided oil burners and an air blower to convert the said mixture into a vapour by means of a passage of hot air which vapourised fuel and steam passes on to a separator chamber where due to Joule Thomson effect the temperature of the vapourised fuel slightly drops down so that small particles of fuel which still have not been converted into vapour are collected at the bottom of the said separator and the mixture of the vapourised fuel and the steam with slight drop in temperature is passed through the upper portion of the said vapouriser chamber where it is further heated so as to finally obtain a fully vapourised fuel gas for complete combustion in gas burners

Complete specification 5 Pages

Dig 2 Sheets

CLASS 55A

149381

Int Cl A611 3/00

## IMPROVEMENTS IN OR RELATING TO INCENSE STICKS

Applicant & Inventor RAHIMUDDIN SYED ZAHEER-UDDEEN NO 59 SHMASHPIRAN STREET FIRUCHIRAPALLI 620 008 TAMIL NADU

Application No 151/Mas 79 filed August 10 1979

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch

## 3 Claims. No drawing.

An improved incense stick characterised in that the incense composition is roiled or extruded and thereafter mounted within a receptacle means such as herein described, said receptacle means being provided with a holder.

Comp. 5 Pages.

: 4-A,  
CL-G05d 1.08.

149382.

## SAFETY DEVICE FOR USE IN AIR OR SPACE CRAFTS.

*Applicant & Inventor* : VELLAJAPPAN VELAYUDAN THANGA THIRUPATHY, NO. 13, SADASIVA PILLAI JANE, CHINTADRIPET, MADRAS-600 002, TAMIL NADU.

Application No. 34/Mas 80 filed February 20, 1980.

Complete specification left August 22, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 8 Claims.

A safety device for use in air or space crafts comprising a cover means disposed atop the fuselage between the wings and cockpit and hingedly mounted on a sleeve member disposed around the fuselage belly, said cover means being opened or collapsed by actuating a further means accessible to the pilot of the craft.

Prov. 4 pages; Comp. 7 pages; Drwgs. 1 Sheet.

CLASS : 39K & 40F. 149383.  
Int. CL-C01b 21/38, 21/20.

## A PROCESS FOR THE REMOVAL OF NITROGEN OXIDES FROM INDUSTRIAL GASES BY USE OF OXIDISING SOLUTIONS IN WHICH NITRATES ARE THE OXIDANTS.

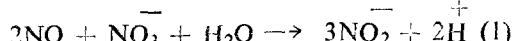
*Applicant & Inventor* : DONALD WESTON BOLME, OF 5916 123RD AVENUE SOUTHEAST, BELLEVUE, STATE OF WASHINGTON, 98006, UNITED STATES OF AMERICA.

Application No. 289/Del/77 filed October 3, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Delhi Branch.

## 23 Claims.

A method of removing at least one nitrogen oxide (as hereinbefore defined) from an industrial gas stream in order to form a gas stream which is substantially free from nitrogen oxide which comprises contacting the gas stream with an aqueous, nitrate ion-containing solution wherein the concentration of the nitrate ions in the solution is maintained within the range 1.0 to 11.1 Normal, so as to effect the reaction :—



and including the step of desorbing the nitrate ions thus produced out of the solution substantially in the form of nitric oxide and/or nitrogen dioxide.

Comp. Specn. 30 Pages.

CLASS : 68-E + 127-H. 149384.  
Int. CL-G05f 1.00, 5.00.

## "A CAM ADJUSTING DEVICE FOR A VOLTAGE REGULATOR".

*Applicant* : PMP AUTO INDUSTRIES PRIVATE LIMITED A COMPANY INCORPORATED IN INDIA UNDER THE COMPANIES ACT, 1956, OFF AAREY ROAD, GOREGAON (E), BOMBAY-400 063.

*Inventor* : HARILAL MANEKLAL MODY.

Application No. 31/Bom/78 filed January 27, 1978.

Complete after provision left on 24 April 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

## 5 Claims.

A cam adjusting device for adjusting the cam of a voltage regulator (control box or cut-out) of the type herein described, the said device comprising a cam of a voltage regulator, a lead spring in contact with the said cam, said leaf spring in turn being linked with the armature assembly of the voltage regulator through an electrical contact, a plate having slot of a predetermined shape in the middle so that the cam can be rotated in the desired direction by inserting any instrument having suitable shape depending on the shape of the said slot whereby the leaf spring is raised or lowered decreasing or increasing the tension and making or breaking the electrical contact with the armature assembly thereby regulating the voltage output of the armature assembly.

Provisional specification 3 pages. Drawing sheet-1.

Complete specification 7 pages. Drawing sheet-1.

CLASS : 166F & 99E. 149385.  
Int. CL-B65d 87/40.

## COVER ARRANGEMENT FOR A STORAGE CONTAINER EG SHIPS, HATCHES, RAIL WAGONS AND THE LIKE.

*Applicants* : MacGREGOR INTERNATIONAL S.A. OF 7 JAKOBSTRASSE, BASLE, SWITZERLAND.

*Inventor* : GEORGE LEITCH.

Application No. 248/Cal 78 filed March 8, 1978.

Convention date March 16, 1977 (11169/77) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 26 Claims.

A cover arrangement for a storage container such as herein described comprising a plurality of cover elements hinged together and pivotable outwardly of the container including pulling means effective to act on the cover elements in response to a pulling force to open the container and latching means for securing the cover arrangement in the closed position which latching means are provided on the end of the first cover element and releasable by said pulling force.

Comp. Specn. 18 Pages.

Drgs. 4 Sheets.

## PATENTS SEALED

146914 147340 147739 147803 147805 147839 147901 147925  
147959 147984 148003 148020 148035 148116 148121 148122  
148126 148215 148216 148217 148218 148242 148243 148244  
148245 148247 148265 148327 148396 148416

## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Societe Francaise D'Electrometallurgie, "Sofrem" of 10 rue General Foy, 75361, Paris, Cedex 08, France, have made an application under Section 57 of the Patents Act, 1970 for amendment of their application for Patent No. 147742 for "Improvements relating to thermal processes for the production of magnesium". The amendments are by way of changing the address for Service from M/s. Remfry & Son, New Delhi to M/s. L.S. Davar & Co., Moralisa, 17, Camac Street, Calcutta-700 017. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.  
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in

the following cases. The number of each case is followed by the names of the parties claiming interests :—

140264 Dr. Krishnaswami Narayanaswami.

**PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

*No. Title of the invention*

142106 (01-08-74) Process for the production of pine needle resonoid.

142468 (24-9-74) Ammoniation process for the preparation of nitriles from m- and p- xylene.

142493 (27-12-75) A process for the manufacture of 1, 2, 3-thiadiazolyl ureas.

142836 (09-10-75) Process for the preparation of substituted cyclopropane carboxylic esters.

143116 (17-10-75) Process for the preparation of  $\alpha$  [4-(substituted pyridyl-2-oxy) phenoxy] alkane carboxylic acids and derivatives thereof.

143149 (26-11-74) Preparation of Maleic anhydride from four carbon hydrocarbons.

143185 (17-02-77) Process for the preparation of 2 (carbamoyl) phenyl-2-acetoxy benzoate.

143281 (23-03-76) Process for preparing a cyclic, alicyclic and aromatic N-substituted halo-2 pyrrolidinones.

143397 (14-05-76) Method for uniformly heating a flowing substance such as a liquid or gas.

**RENEWAL FEES PAID**

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 109471 110316 112434 112819 112848 112896 113048 113113  
 113252 115081 116056 118133 118148 118182 118283 118328  
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 137099 137299 137445 137484 137627 137654 138097 138115  
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 147741 147806 147916 147932 148136 148174 148175 148220  
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**CESSATION OF PATENTS**

99181 99211 99255 99271 99303 99306 99322 99336 99348  
 99352 99353 99354 99419 99430 99436 99451 99454 99458  
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 99588 99599 99607 99613 99616 99628 99633 99654 99655  
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 99940 99953 99968 99970 99978 99979 99990 99997 100000  
 100023 100024 100039 100058 100106 112881 120467

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 150883. Mekaster Tools of 138, Bhagat Singh Market, New Delhi-110001, India, a proprietorship concern. "Three Jaws Hydraulic Pulter Set." June 8, 1981.

Class 3. No. 150163. Ruston & Company, an Indian Regd. Partnership Firm of 9, Anand Niwas, 'A' Road, Churchgate, Bombay-400020, Maharashtra, India. "Camrider Bush". November 28, 1980.

Class 3. No. 150331. Calcutta Button Agency of 33, Peamente Street, Calcutta-16, West Bengal, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150332. Calcutta Button Agency of 33, Peamente Street, Calcutta-16, West Bengal, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150333. Calcutta Button Agency of 33, Peamente Street, Calcutta-16, West Bengal, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150336. Calcutta Button Agency of 33, Peamente Street, Calcutta-16, West Bengal, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150338. Calcutta Button Agency of 33, Peamente Street, Calcutta-16, West Bengal, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150408. Calcutta Button Agency of 33, Peamente Street, Calcutta-16, West Bengal, an Indian Partnership Firm. "Mirror Frames". February 16, 1981.

Class 5. No. 150101. Rustom & Company, an Indian Regd. Partnership Firm of 9, Anand Niwas, 'A' Road, Churchgate, Bombay-400020, Maharashtra, India. "Cam". October 31, 1980.

**S. VEDARAMAN**  
 Controller General of Patents Designs  
 and Trade Marks.